International application No.
PCT/JP2004/017007

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
1. Claims	al search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: s Nos.: se they relate to subject matter not required to be searched by this Authority, namely:			
becaus	s Nos.: se they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:			
	s Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
"The sp novel sin Ltd.), 27 technical for examp 12 March, Industry	mal Searching Authority found multiple inventions in this international application, as follows: Decial technical feature" of claims 1-3, 8-13, 18-20, 61-63 is not ace it is disclosed, for example, in document JP 2001-117125 A (Fujitsu April, 2001 (27.04.01), Fig. 4, [0070] (family: none). "The special of feature" of claims 64, 65, 67 is not novel since it is disclosed, le, in documents JP 2003-75787 A (Communications Research Laboratory), 2003 (12.03.03), [0052] (family: none), and JP 11-231361 A (Oki Electric Co., Ltd.), 27 August, 1999 (27.08.99), [0035] (family: none).			
(Continued to extra sheet)				
claim:	searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of			
3. As on	dditional fee. ly some of the required additional search fees were timely paid by the applicant, this international search report covers those claims for which fees were paid, specifically claims Nos.:			
4. No re restric	equired additional search fees were timely paid by the applicant. Consequently, this international search report is cted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark on Pr	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			

International application No.
PCT/JP2004/017007

Continuation of Box No.III of continuation of first sheet (2)

Between the inventions of claims 4-7, 14-17, 21-46 and the inventions of claims 47-60, 66, 68, 69, there is no technical relationship involving one or more of the same or corresponding special technical feature. Accordingly, these inventions are not so linked as to form a single general inventive concept.

Form PCT/ISA/210 (extra sheet) (January 2004)

Form PCT/ISA/210 (second sheet) (January 2004)

International application No.

PCT/JP2004/017007 CLASSIFICATION OF SUBJECT MATTER Int.Cl G02F7/00, G02F3/00 G02F7/00, G02F3/00, G02F2/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl⁷ G02F7/00, G02F3/00, G02F2/02 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho 1996-2004 Kokai Jitsuvo Shinan Koho 1971-2004 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category* Citation of document, with indication, where appropriate, of the relevant passages 1-3,8 JP 2001-117125 A (Fujitsu Ltd.), 27 April, 2001 (27.04.01), 9,10,21-46, Y 65,67 Fig. 4; Par. No. [0070] (Family: none) JP 2003-75787 A (Communications Research 64 65,67 Y Laboratory), 12 March, 2003 (12.03.03), Par. No. [0052] (Family: none) JP 11-231361 A (Oki Electric Industry Co., 64 x 65,67 Ltd.), 27 August, 1999 (27.08.99), Par. No. [0035] (Family: none) X Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority document defining the general state of the art which is not considered to be of particular relevance date and not in conflict with the application but cited to understand "A" the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be earlier application or patent but published on or after the international "E" considered novel or cannot be considered to involve an inventive filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination document referring to an oral disclosure, use, exhibition or other means being obvious to a person skilled in the art document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 09 February, 2005 (09.02.05) 01 March, 2005 (01.03.05) Name and mailing address of the ISA/ Authorized officer Japanese Patent Office Telephone No. Facsimile No

International application No.
PCT/JP2004/017007

	PCT/JP2004/017007				
C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT	·			
Category*	Citation of document, with indication, where appropriate, of the relev		Relevant to claim No.		
X Y	JEONG JM. MARHIC ME, ALL-OPTICAL ANALOG-TO DIGITAL AND DIGITAL-TO-ANALOG CONVERSION IMPLEMENTED BY NONLINEAR FIBER INTERFERO METER, OPTICS COMMUNICATIONS, 01 July, 19 (01.07.92), Vol.91, pages 115 to 122	4-10,14-20, 47-69 21-46			
· .					
-					
			•		
٠.			·		
		·			
		·			
	0 (continuation of second sheet) (January 2004)				